

Biology Toolkit: Indicator 1.6.3

Student Handout: Biology: Indicator 1.6.3

Goal 1.0 Skills And Processes

Expectation 1.6 The student will use mathematical processes.

Indicator 1.6.3 The student will express and/or compare small and large quantities using scientific notation and relative order of magnitude.

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Biology Indicator 1.6.3

The table below compares the size of a bacterium and a virus.

SIZE COMPARISON

Structure	Measurement (m)
Bacterium	1×10^{-6}
Virus	1×10^{-11}

How many times larger is the bacterium than the virus?

- A. 1×10^8 times
- B. 1×10^5 times
- C. 1×10^{-8} times
- D. 1×10^{-5} times

Correct Answer

- B. 1×10^5 times

Item

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